

DETAILED ACTION

1. Claims 1-43 are pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given December 5, 2008 by Gregory Lunt after he had reviewed a faxed copy of the examiner's amendment provided on December 3, 2008.
4. Generally, the independent claims (claims 1, 18, and 34) have been amended to include the limitations of dependent claims 2 and 16. Claim 18 was further amended to include subject matter akin to that that is recited in claim 1.
5. Claims 2, 16, and 32-33 are cancelled.
6. Underlined text indicates added language and stuck through text indicates deletions.
7. The application, specifically claims 1, 2, 16, 18, 32-34, has been amended as follows:

Claim 1. (Currently Amended) In a network environment that includes a receiving computing system capable of receiving messages **including Simple Object Access Protocol (SOAP) envelopes** from other computing systems in the network environment, the receiving computing system including a dispatching mechanism that dispatches a received message to groups of one or more methods for further processing, a method for the dispatching mechanism to dispatch a received message without having direct access to at least a portion of information relevant for the dispatch, the information not being included in the message as received by the receiving computing system, the method comprising the following:

an act of receiving a message **including a Simple Object Access Protocol (SOAP) envelope** at the receiving computing system;

an act of passing the received message through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the passing of the received message to the dispatching mechanism occurring within the receiving computing system, each of the receiving path components in the receiving path being components of the receiving computing system;

an act of at least one of the one or more receiving path components modifying the message with at least one modification, the modification including adding information **a SOAP header with additional information** not included in the received message, that is relevant to the dispatch of the message, ~~the~~

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~~information being added during the modification by the dispatching mechanism,~~
the information being used by the dispatching mechanism to dynamically
dispatch the message; ~~to an appropriate message processing method selected~~
~~from a group of message processing methods, the methods being configured to~~
~~process the content of the message according to the type of information included~~
~~in the message;~~

an act of the dispatching mechanism receiving the modified message from
the receiving path within the receiving computing system;

an act of the dispatching mechanism evaluating the added information
and accessing a dispatch rule that references the added information
relevant to the dispatch of the message **and the dispatch rule** to determine an
appropriate **group of** message processing methods **s** based on ~~these portions of~~
both the added information added to the modified message **and the dispatch**
rule; and

based on the information obtained in the modification, an act of the
dispatching mechanism using the obtained information **and the dispatch rule** to
dynamically dispatch the message to an **the group of** appropriate message
processing methods **s** selected from the group of message processing methods
within the receiving computing system for further processing, the dispatching
comprising transferring the modified received message to the group of message
processing methods within the receiving computing system for further specialized

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message content processing based on the type of information included in the modification.

Claim 2. (Cancelled)

Claim 16. (Cancelled)

Claim 18. (Currently Amended) A computer program product for use in a network environment that includes a receiving computing system capable of receiving messages including Simple Object Access Protocol (SOAP) envelopes from other computing systems in the network environment, the receiving computing system including a dispatching mechanism that dispatches a received message to groups of one or more methods for further processing, the computer program product for performing a method for the dispatching mechanism to dispatch a received message without having direct access to at least a portion of information relevant for the dispatch, the information not being included in the message as received by the receiving computing system, the computer program product comprising one or more recordable-type computer-readable media having thereon computer- executable instructions that, when executed by one or more processors of the computing system, cause the computing system to perform the following:

an act of accessing a received message **including a Simple Object Access Protocol (SOAP) envelope**, the message being received at the receiving computing system;

an act of providing the received message through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the providing of the received message to the dispatching mechanism occurring within the receiving computing system, each of the receiving path components in the receiving path being components of the receiving computing system;

an act of a receiving path component modifying the received message with at least one modification, the modification including adding ~~information a~~ **SOAP header with additional information** that is not included in the received message, that is relevant to the dispatch of the message, ~~the information being added during the modification by the dispatching mechanism, the information being used by the dispatching mechanism to dynamically dispatch the message; to an appropriate message processing method selected from a group of message processing methods, the methods being configured to process the content of the message according to the type of information included in the message;~~

an act of the dispatching mechanism evaluating the added information **and accessing a dispatch rule that references the added information**

relevant to the dispatch of the message and the dispatch rule to determine an appropriate group of message processing methods s based on ~~these portions of~~ both the added information added to the modified message and the dispatch rule; and

~~an act of providing the modified message at least indirectly through one or more other receiving path components within the receiving computing system to the dispatching mechanism so that the dispatching mechanism, based on the information obtained in the modification may use the obtained information to dynamically dispatch the message to an appropriate message processing method selected from the group of message processing methods within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.~~

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information and the dispatch rule to dynamically dispatch the message to the group of appropriate message processing methods within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

Claims 32-33. (Cancelled)

Claim 34. (Currently Amended) A computing system capable of receiving messages including Simple Object Access Protocol (SOAP) envelopes from other computing systems in the network environment

comprising the following:

one or more processors;

system memory;

a dispatch mechanism that dispatches a received message to groups of one or more methods for further processing;

one or more computer-readable media having thereon computer-executable instructions that, when executed by the one or more processors, causes the computing system to perform the following:

an act of receiving a message including a Simple Object Access Protocol (SOAP) envelope at the receiving computing system;

an act of passing the received message through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the passing of the received message to the dispatching mechanism occurring within the receiving computing system, each of the receiving path components in the receiving path being components of the receiving computing system;

an act of at least one of the one or more receiving path components modifying the message with at least one modification, the modification including adding information **a SOAP header with additional information** not included in the received message, that is relevant to the dispatch of the message, ~~the information being added during the modification by the dispatching mechanism,~~ the information being used by the dispatching mechanism to dynamically dispatch the message; ~~to an appropriate message processing method selected from a group of message processing methods, the methods being configured to process the content of the message according to the type of information included in the message;~~

an act of the dispatching mechanism receiving the modified message from the receiving path within the ~~receiving~~ computing system;

an act of the dispatching mechanism evaluating the added information **and accessing a dispatch rule that references the added information** relevant to the dispatch of the message **and the dispatch rule** to determine an appropriate **group of** message processing methods ~~s~~ based on those portions of **both the added** information added to the modified message **and the dispatch rule**; and

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information **and the dispatch rule** to dynamically dispatch the message to an **the group of** appropriate message processing methods ~~s~~ selected from the group of message processing methods

within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

Allowable Subject Matter

8. Claims 1, 3-15, and 17-31, 34-43 are allowed.
9. The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or suggest all limitations of the claimed invention with particular emphasis on an act of passing a received message including a Simple Object Access Protocol (SOAP) envelope through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the passing of the received message to the dispatching mechanism occurring within the receiving computing system; and

an act of the dispatching mechanism evaluating added information and accessing a dispatch rule that references the added information including a SOAP header relevant to the dispatch of the message and the dispatch rule to determine an appropriate group of message processing methods based on both the added information to the modified message and the dispatch rule; and

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information and the dispatch rule to dynamically dispatch the message to the group of appropriate message processing methods within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

10. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:
 - (a) US Pub No. 2002/0138566 - "Using state information in a distributed environment"
 - (b) US Pub No. 20040088433- "Maintaining structured time data for electronic messages"
 - (c) US Pub No. 2003/0074413- "Routing of network messages"

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12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas J. Dailey whose telephone number is 571-270-1246. The examiner can normally be reached on Monday thru Friday; 9:00am - 5:00pm.
13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kenny S Lin/

Primary Examiner, Art Unit 2452

/T. J. D./
Examiner, Art Unit 2152